

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075825.D
 Acq On : 15 Dec 2022 18:11
 Operator : JC\MD
 Sample : N6066-06 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 03:12:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	373121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	575991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	511247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	223457	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	192414	47.402	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.800%
35) Dibromofluoromethane	8.177	113	174819	49.010	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.020%
50) Toluene-d8	10.570	98	671088	50.319	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.640%
62) 4-Bromofluorobenzene	12.853	95	214245	48.502	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.000%

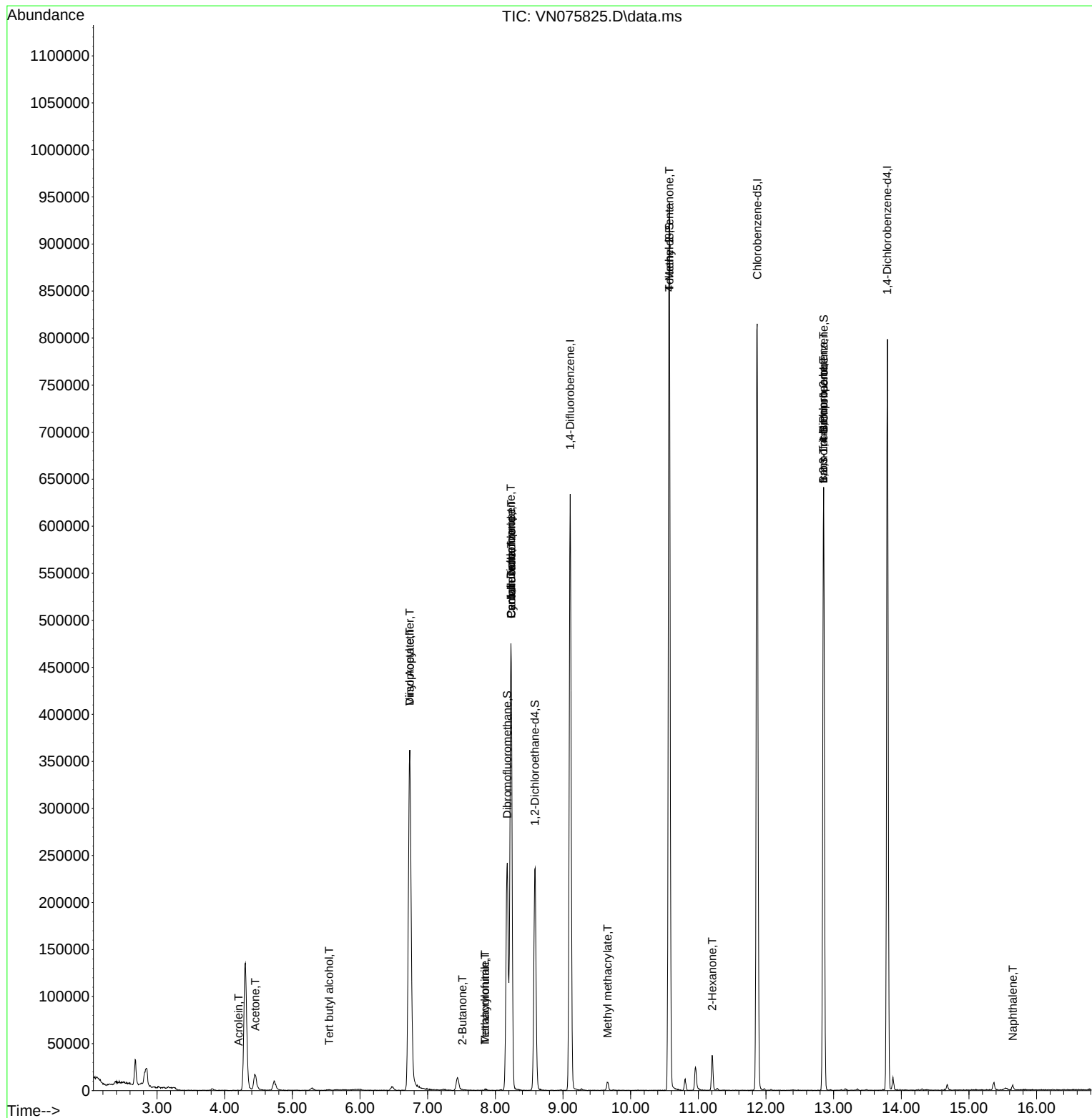
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.541	59	1296	2.256	ug/l #	72
13) Acrolein	4.206	56	176	0.250	ug/l #	16
16) Acetone	4.453	43	32805	23.444	ug/l	99
20) Methylene Chloride	5.283	84	2232	Below Cal	#	77
22) Diisopropyl ether	6.735	45	27455	2.924	ug/l #	1
23) Vinyl Acetate	6.735	43	69861	11.053	ug/l #	65
25) 2-Butanone	7.512	43	1099	0.561	ug/l #	40
29) Tetrahydrofuran	7.847	42	451	0.367	ug/l #	70
31) Cyclohexane	8.235	56	6926	1.191	ug/l #	13
36) 1,1-Dichloropropene	8.229	75	27077	5.714	ug/l #	50
38) Carbon Tetrachloride	8.235	117	35759	6.743	ug/l #	16
41) Methacrylonitrile	7.847	41	631	0.319	ug/l #	37
48) Methyl methacrylate	9.659	41	2633	0.931	ug/l #	34
51) 4-Methyl-2-Pentanone	10.570	43	2783	0.733	ug/l #	1
59) 2-Hexanone	11.206	43	5126	1.851	ug/l #	47
71) Bromoform	12.847	173	968	0.342	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	111125	24.671	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	111125	88.802	ug/l #	12
95) Naphthalene	15.647	128	5645	2.621	ug/l #	92

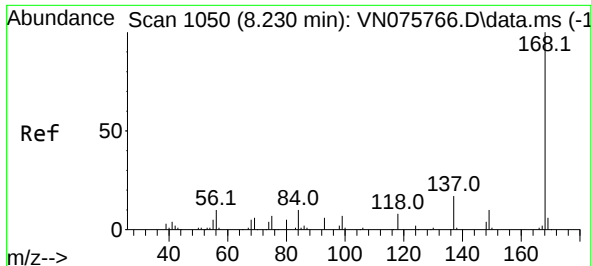
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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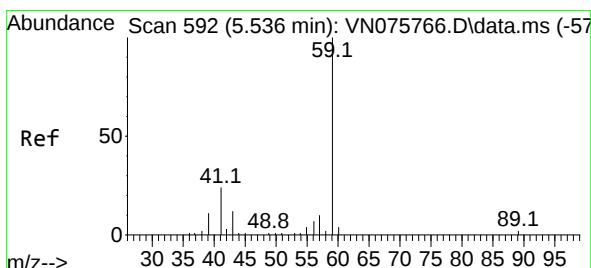
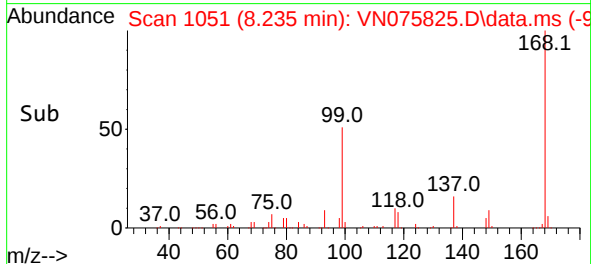
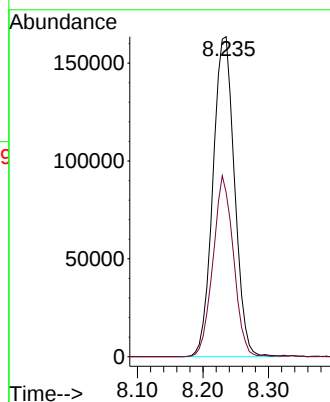
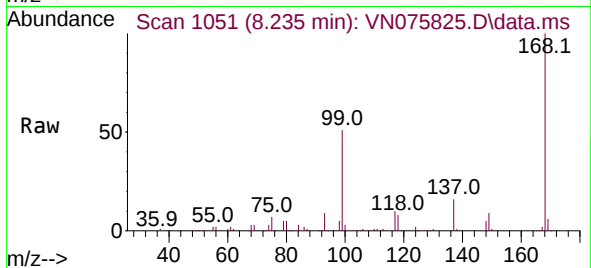




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

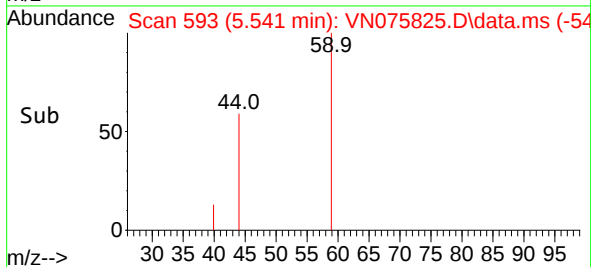
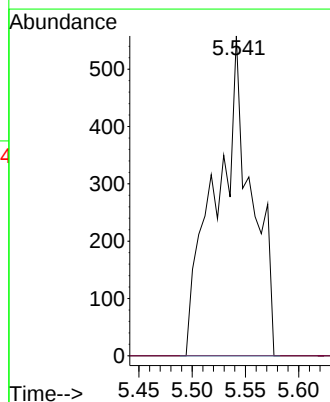
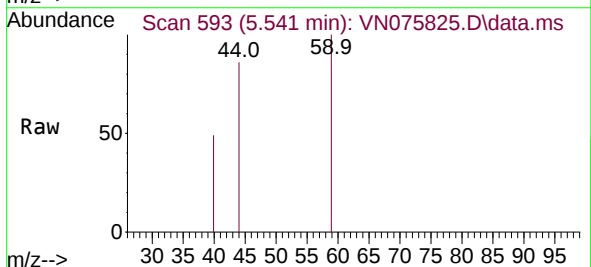
Instrument :
MSVOA_N
ClientSampleId :

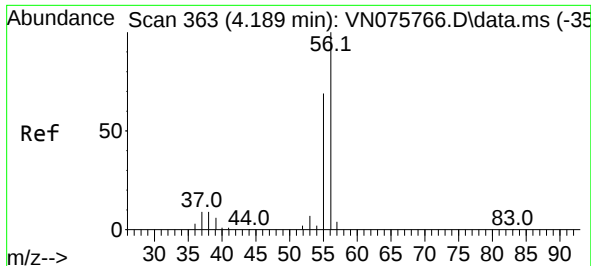
Tgt Ion:168 Resp: 373121
Ion Ratio Lower Upper
168 100
99 51.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.256 ug/l
RT: 5.541 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Tgt Ion: 59 Resp: 1296
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

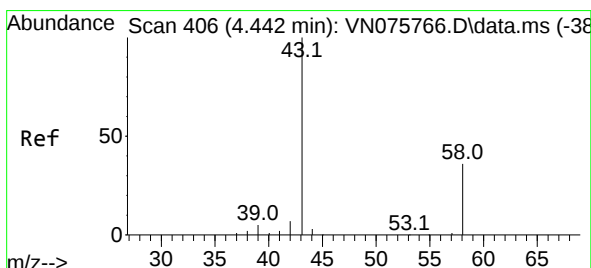
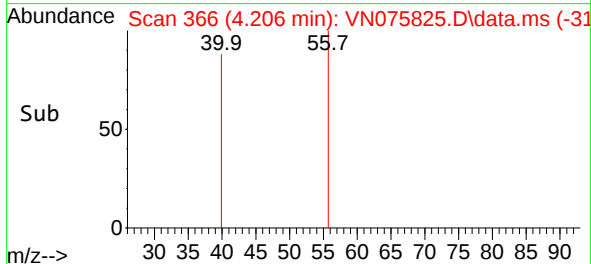
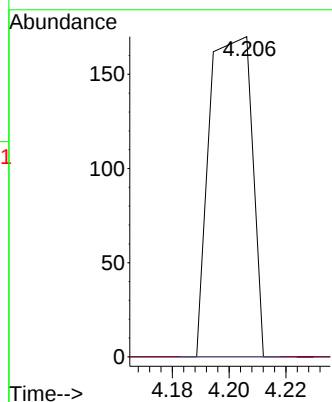
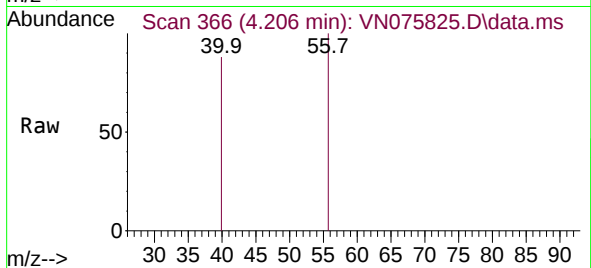




#13
Acrolein
Concen: 0.250 ug/l
RT: 4.206 min Scan# 308
Delta R.T. 0.018 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

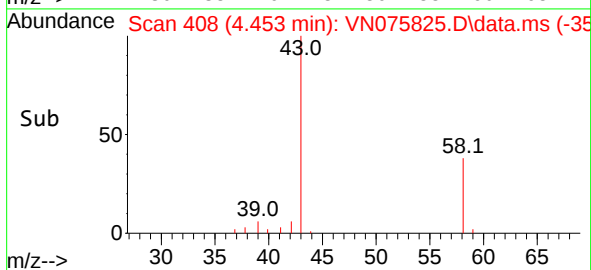
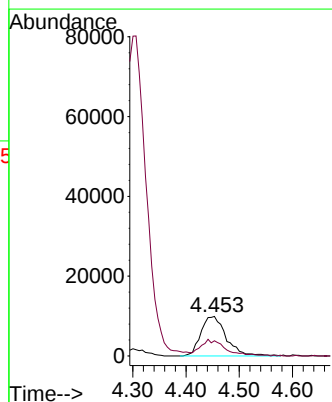
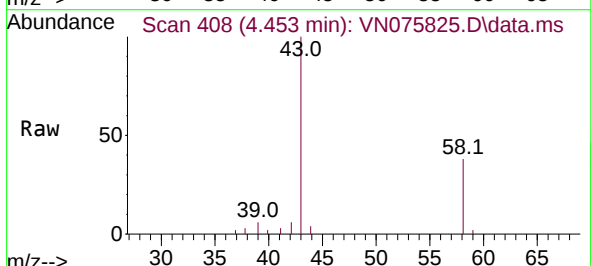
Instrument :
MSVOA_N
ClientSampleId :

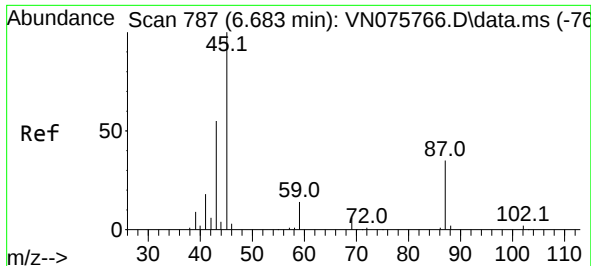
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 23.444 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

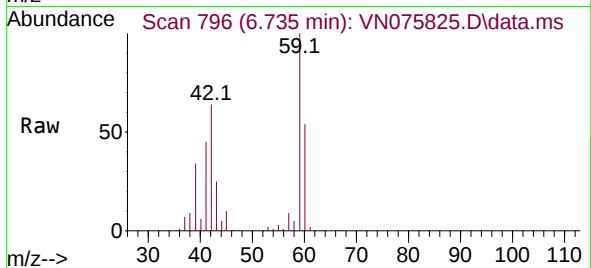
Tgt Ion: 43 Resp: 32805
Ion Ratio Lower Upper
43 100
58 36.4 28.6 43.0



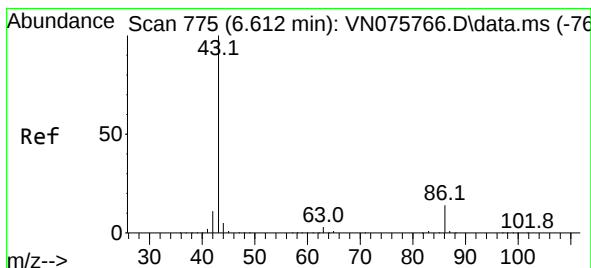
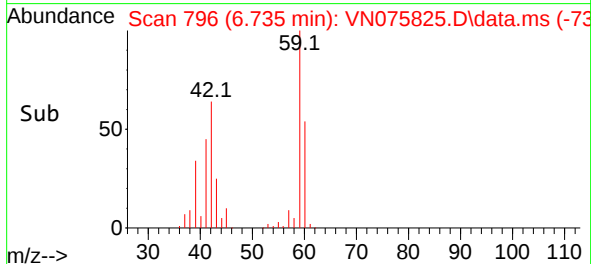
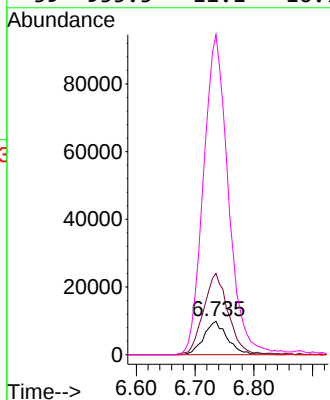


#22
Diisopropyl ether
Concen: 2.924 ug/l
RT: 6.735 min Scan# 796
Delta R.T. 0.053 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :

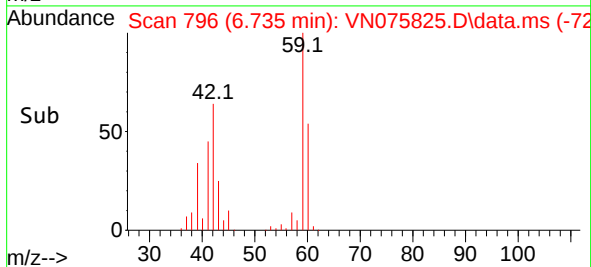
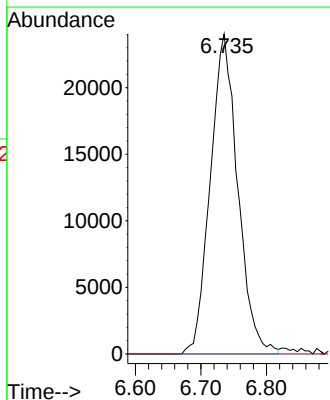
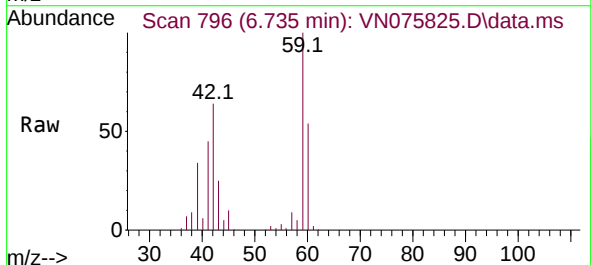


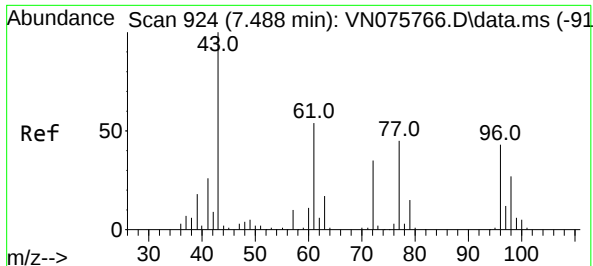
Tgt Ion:	45	Resp:	27455
Ion Ratio	100	Lower	Upper
43	243.5	44.2	66.4#
87	0.0	28.3	42.5#
59	955.5	11.1	16.7#



#23
Vinyl Acetate
Concen: 11.053 ug/l
RT: 6.735 min Scan# 796
Delta R.T. 0.123 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Tgt Ion:	43	Resp:	69861
Ion Ratio	100	Lower	Upper
86	0.0	11.4	17.2#





#25

2-Butanone

Concen: 0.561 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN075825.D

Acq: 15 Dec 2022 18:11

Instrument :

MSVOA_N

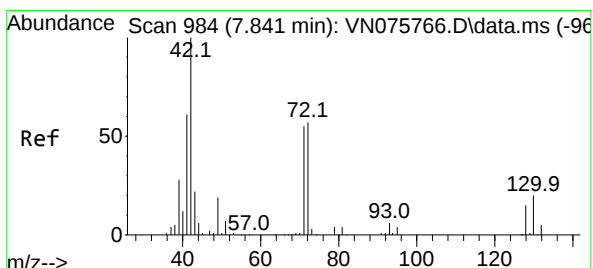
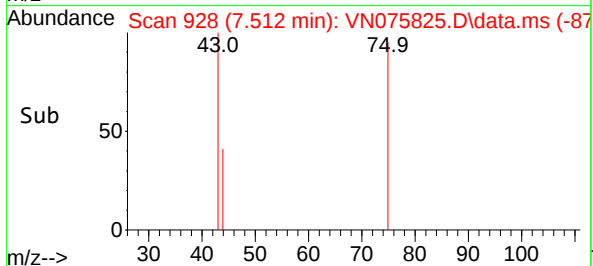
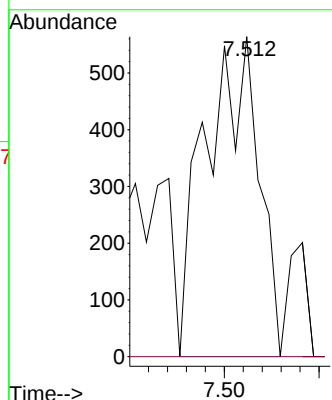
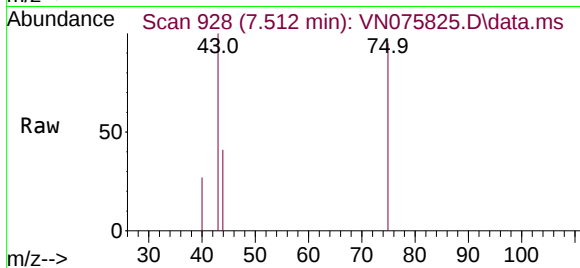
ClientSampleId :

Tgt Ion: 43 Resp: 1099

Ion Ratio Lower Upper

43 100

72 0.0 28.0 42.0#



#29

Tetrahydrofuran

Concen: 0.367 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.006 min

Lab File: VN075825.D

Acq: 15 Dec 2022 18:11

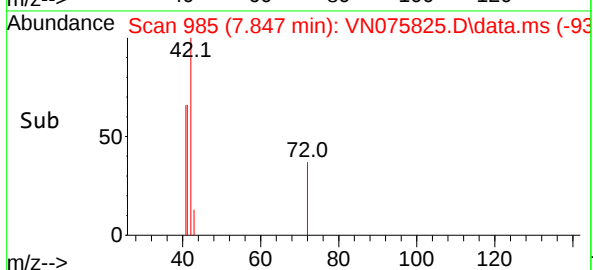
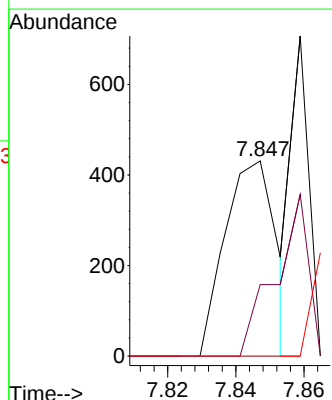
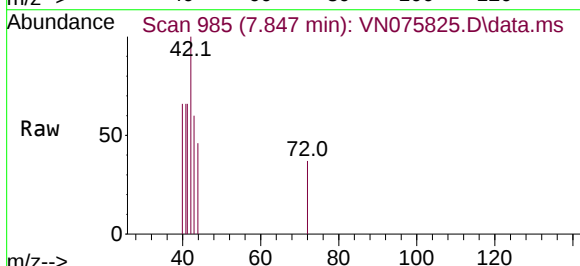
Tgt Ion: 42 Resp: 451

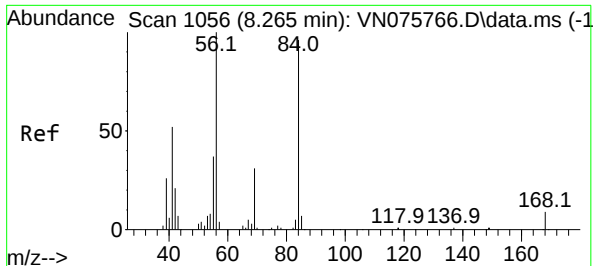
Ion Ratio Lower Upper

42 100

72 65.9 44.5 66.7

71 17.7 41.0 61.6#





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.030 min

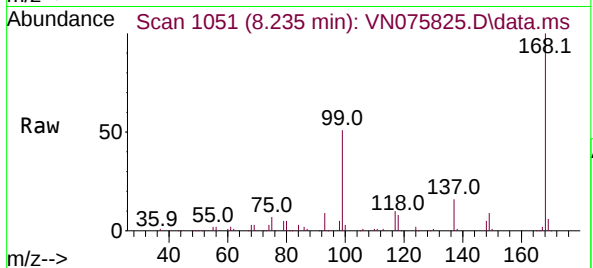
Lab File: VN075825.D

Acq: 15 Dec 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :



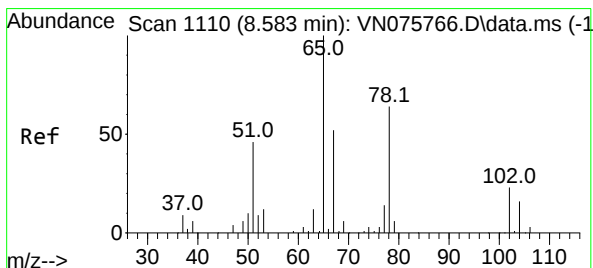
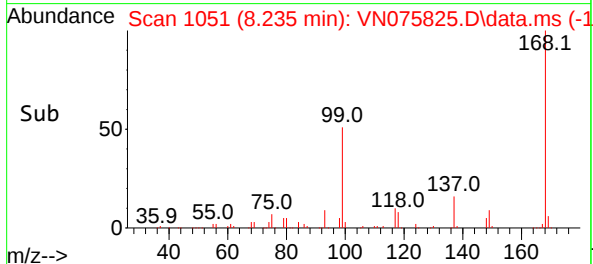
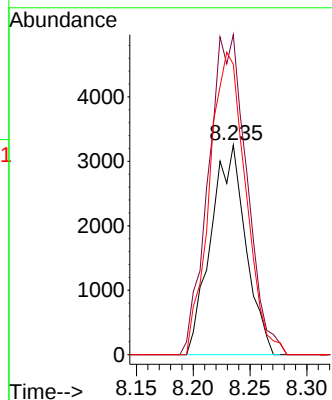
Tgt Ion: 56 Resp: 6926

Ion Ratio Lower Upper

56 100

69 152.5 24.7 37.1#

84 138.4 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 47.402 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075825.D

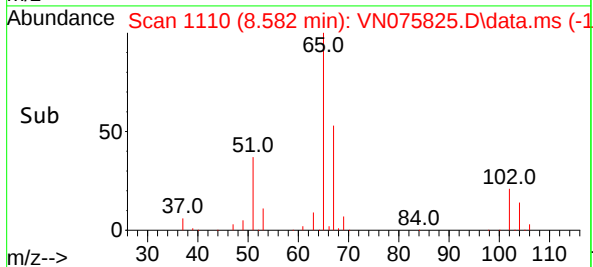
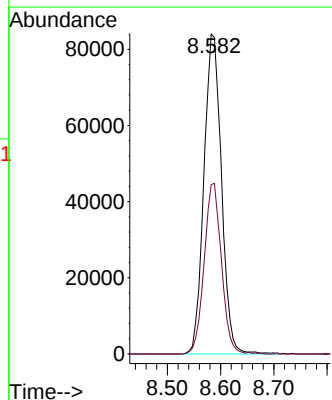
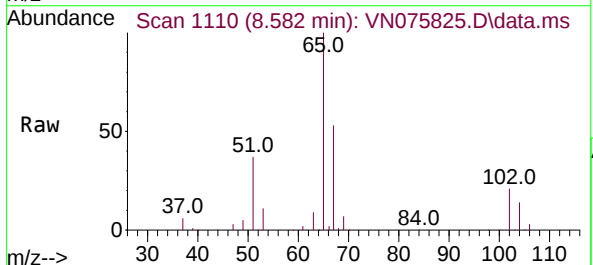
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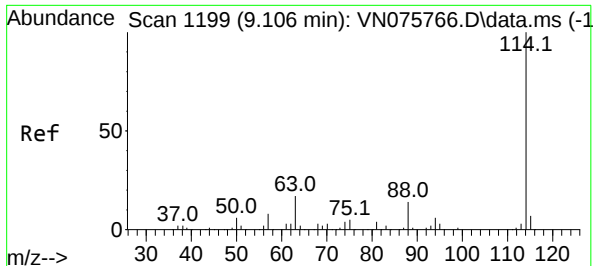
Tgt Ion: 65 Resp: 192414

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075825.D

Acq: 15 Dec 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

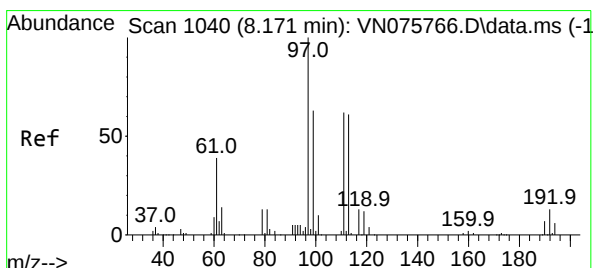
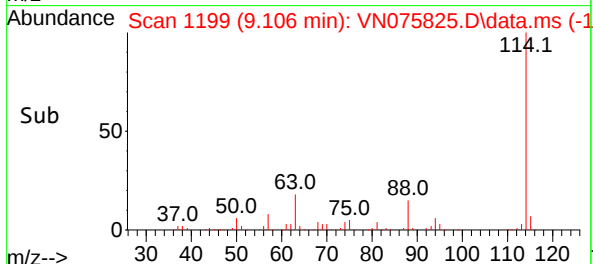
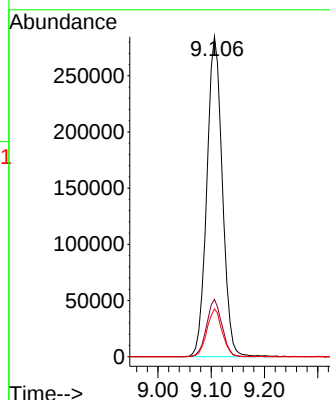
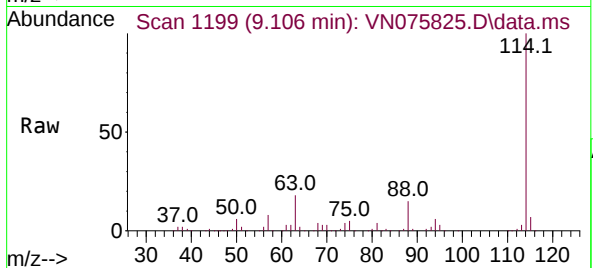
Tgt Ion:114 Resp: 575991

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.4

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 49.010 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075825.D

Acq: 15 Dec 2022 18:11

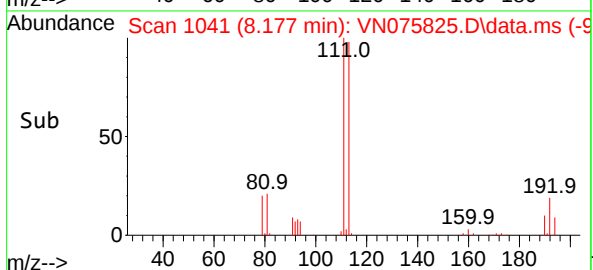
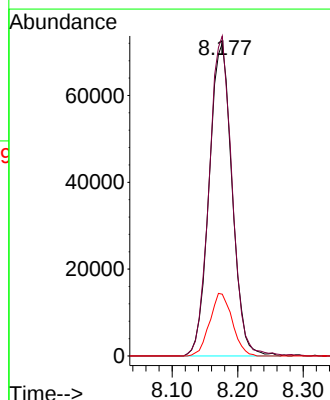
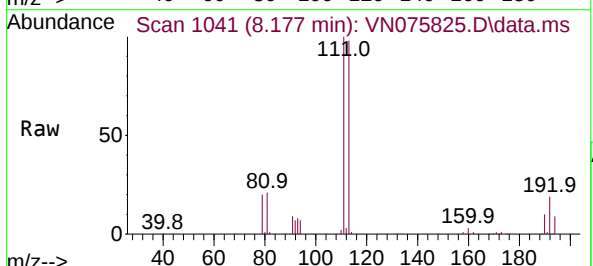
Tgt Ion:113 Resp: 174819

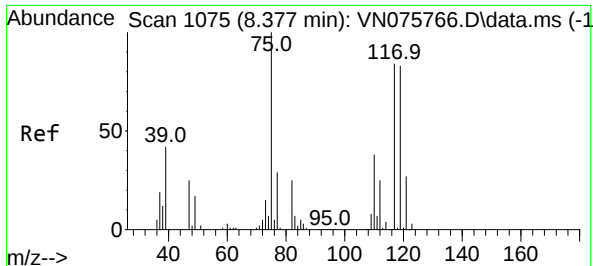
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 19.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.714 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075825.D

Acq: 15 Dec 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

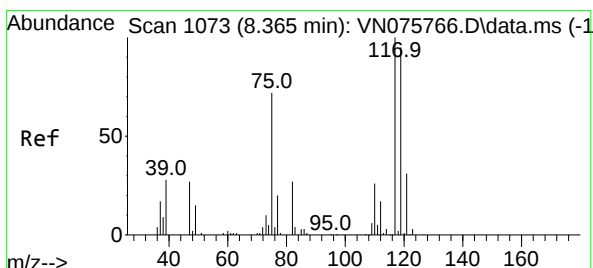
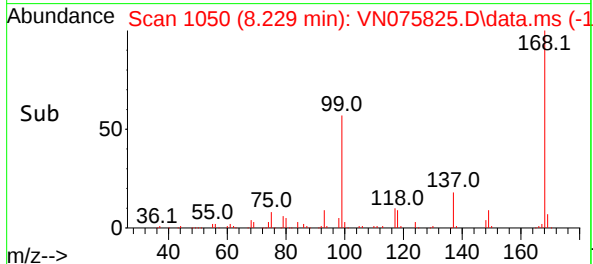
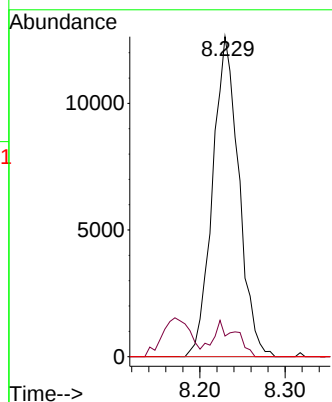
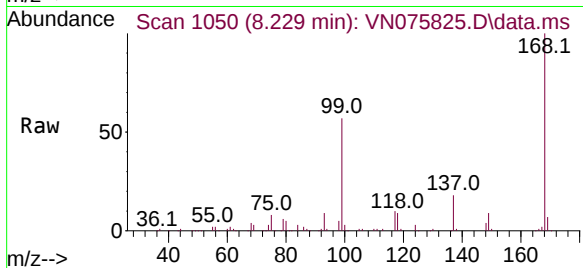
Tgt Ion: 75 Resp: 27077

Ion Ratio Lower Upper

75 100

110 9.8 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.743 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.130 min

Lab File: VN075825.D

Acq: 15 Dec 2022 18:11

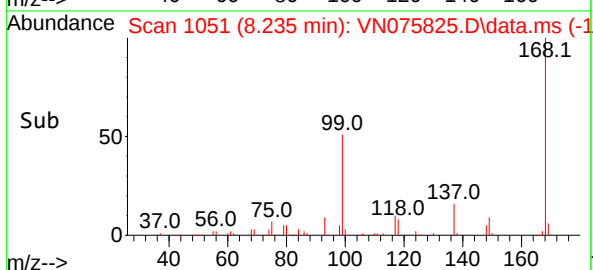
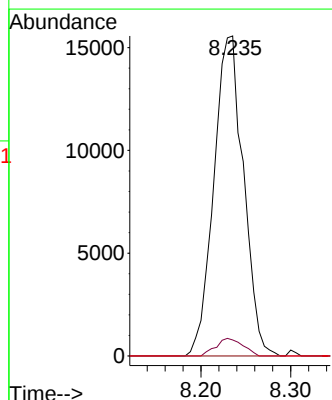
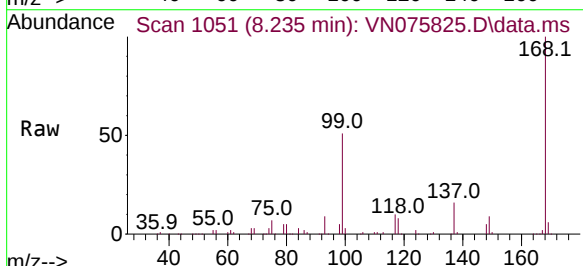
Tgt Ion: 117 Resp: 35759

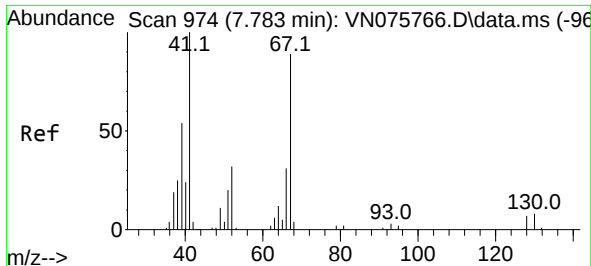
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

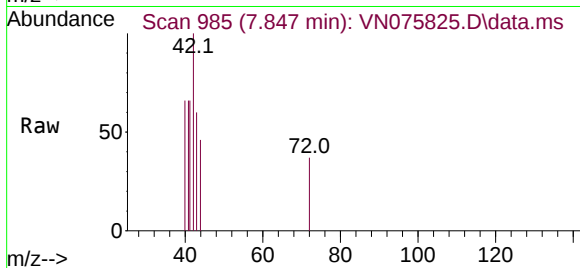
121 0.0 24.5 36.7#



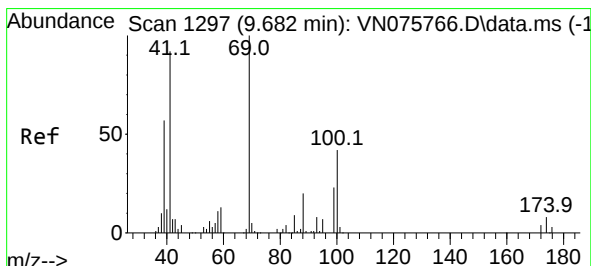
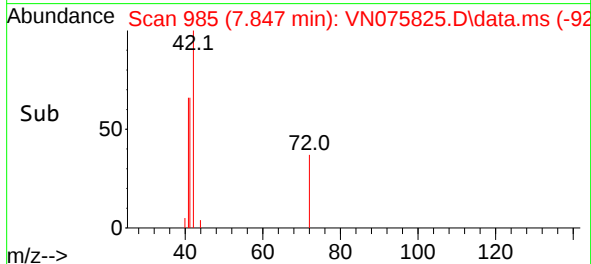
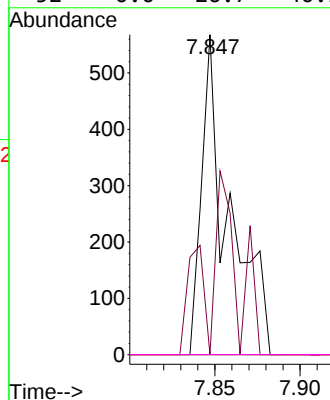


#41
Methacrylonitrile
Concen: 0.319 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :

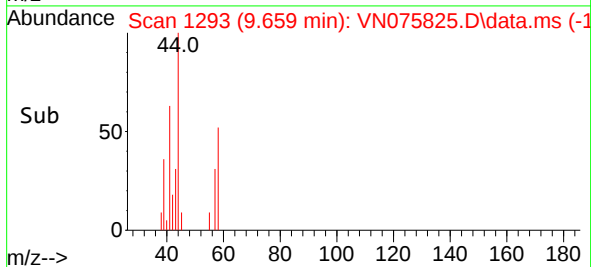
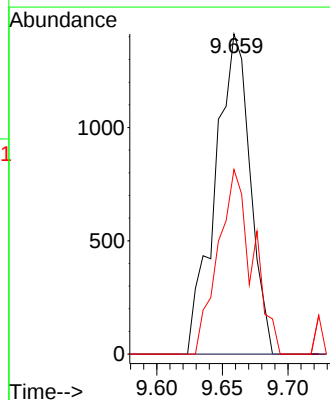
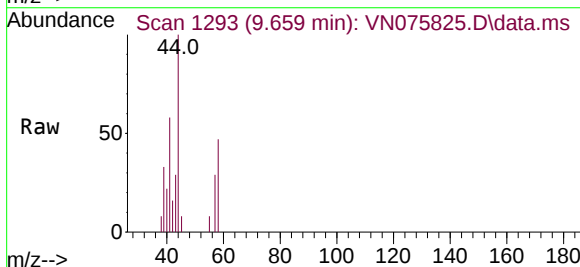


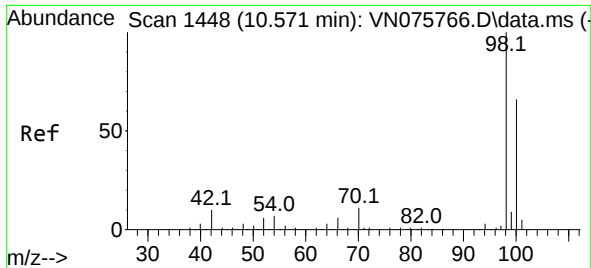
Tgt Ion: 41 Resp: 631
Ion Ratio Lower Upper
41 100
39 45.0 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#48
Methyl methacrylate
Concen: 0.931 ug/l
RT: 9.659 min Scan# 1293
Delta R.T. -0.024 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Tgt Ion: 41 Resp: 2633
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 56.7 51.6 77.4

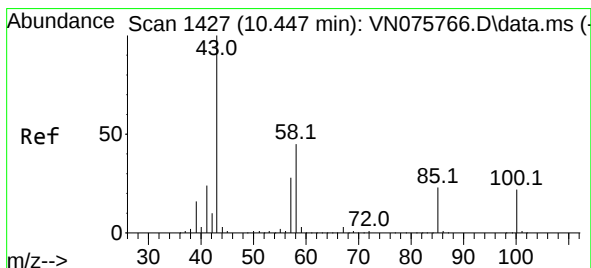
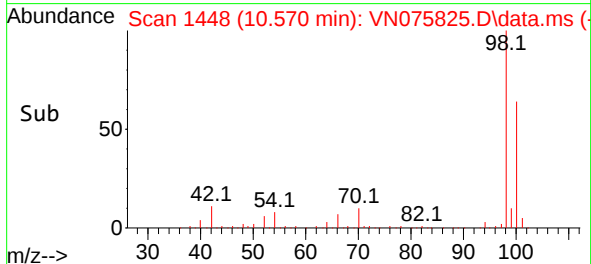
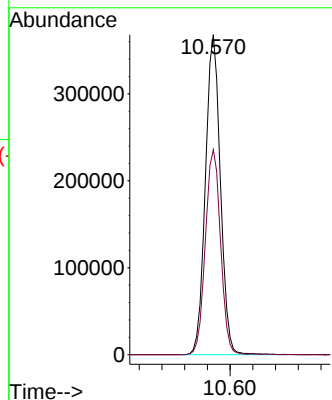
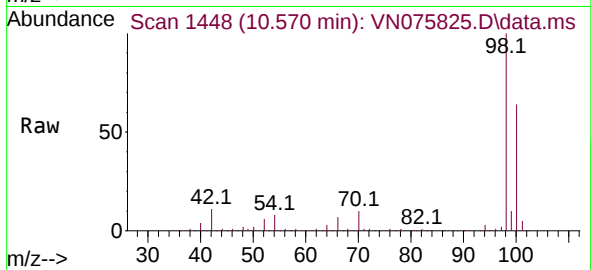




#50
Toluene-d8
Concen: 50.319 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

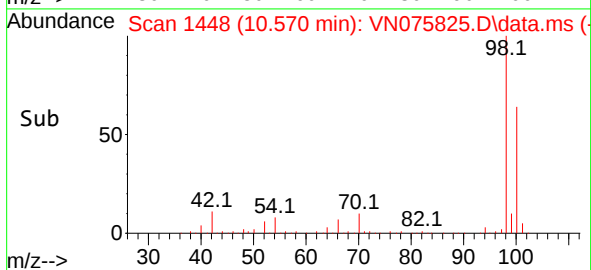
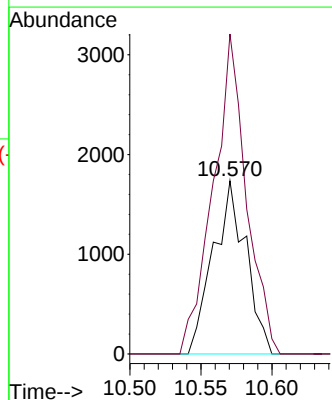
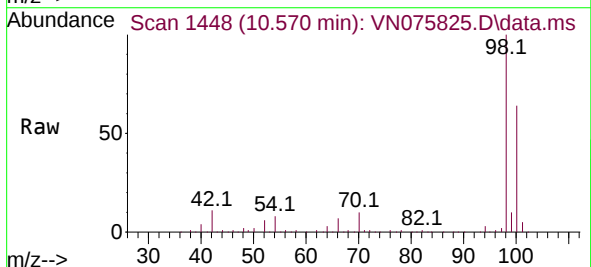
Instrument :
MSVOA_N
ClientSampleId :

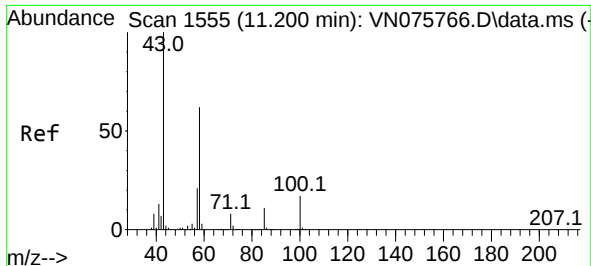
Tgt Ion: 98 Resp: 671088
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.733 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. 0.123 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Tgt Ion: 43 Resp: 2783
Ion Ratio Lower Upper
43 100
58 187.1 35.5 53.3#

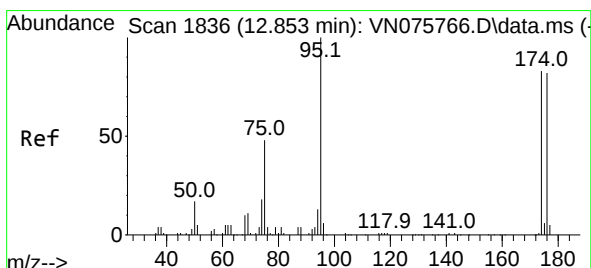
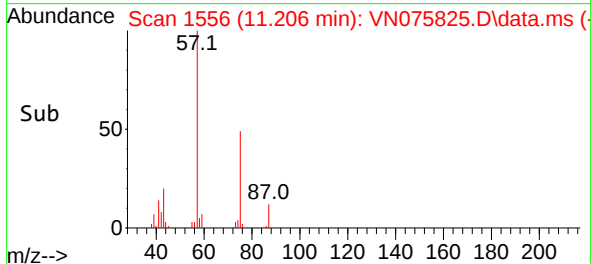
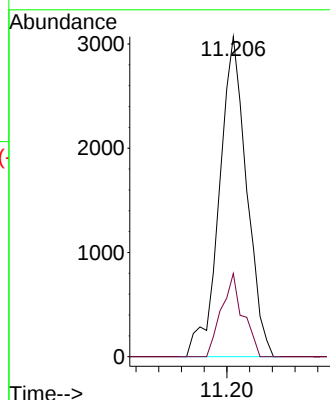
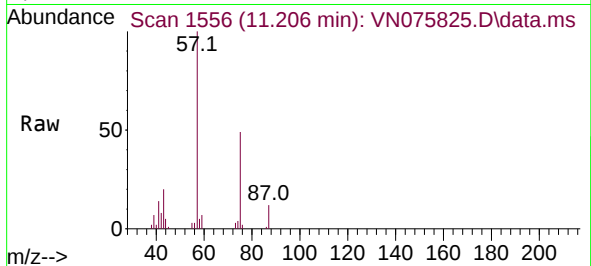




#59
2-Hexanone
Concen: 1.851 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

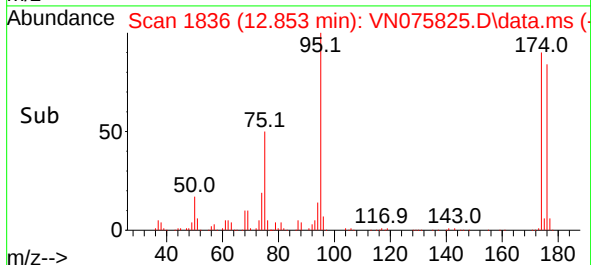
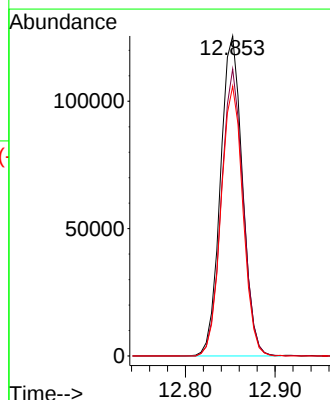
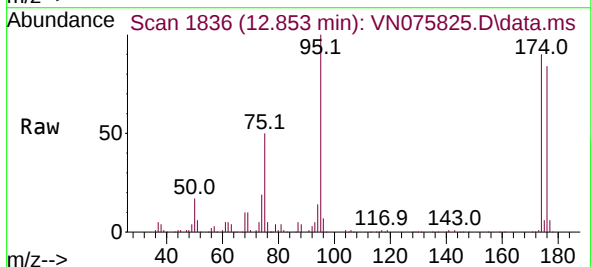
Instrument :
MSVOA_N
ClientSampleId :

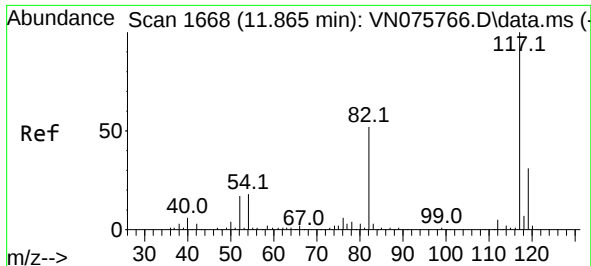
Tgt Ion: 43 Resp: 5126
Ion Ratio Lower Upper
43 100
58 20.4 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.502 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Tgt Ion: 95 Resp: 214245
Ion Ratio Lower Upper
95 100
174 88.4 0.0 171.6
176 83.6 0.0 169.2

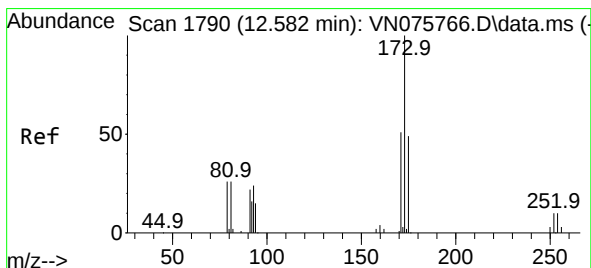
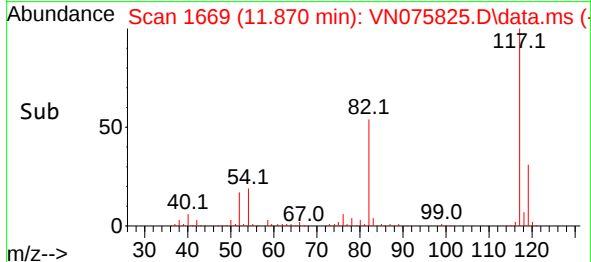
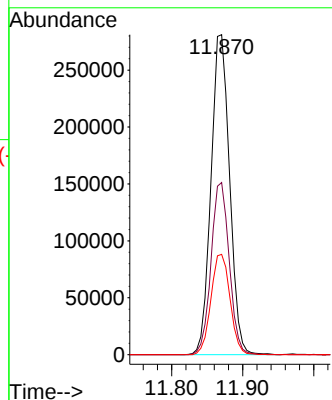
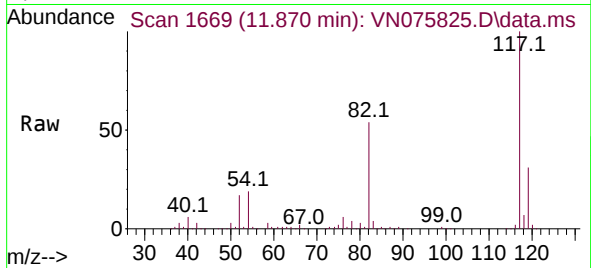




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

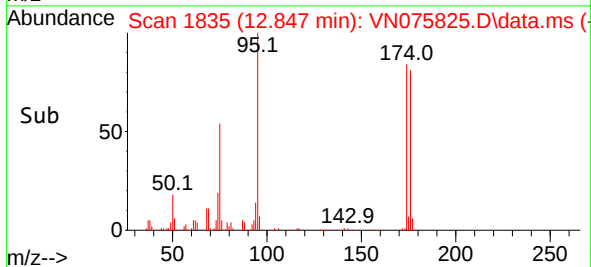
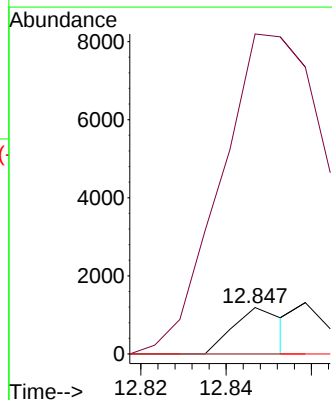
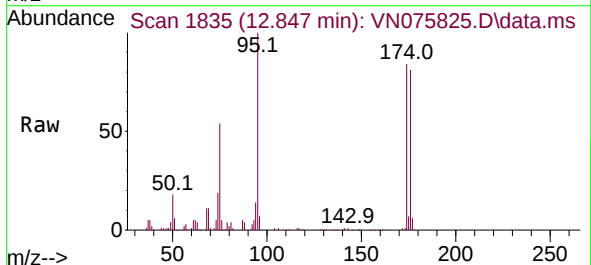
Instrument :
MSVOA_N
ClientSampleId :

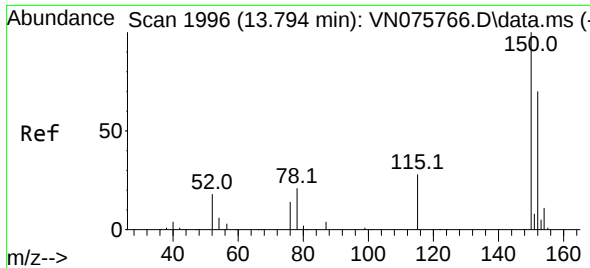
Tgt Ion:117 Resp: 511247
Ion Ratio Lower Upper
117 100
82 53.8 41.3 61.9
119 31.3 24.6 37.0



#71
Bromoform
Concen: 0.342 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Tgt Ion:173 Resp: 968
Ion Ratio Lower Upper
173 100
175 1209.0 24.3 72.8#
254 0.0 0.0 0.0

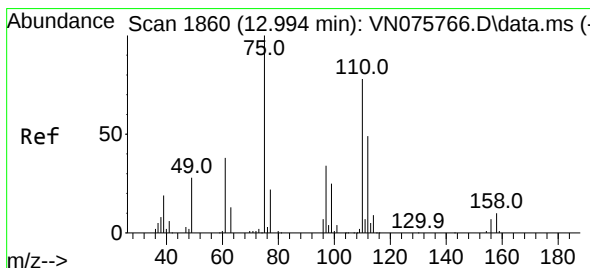
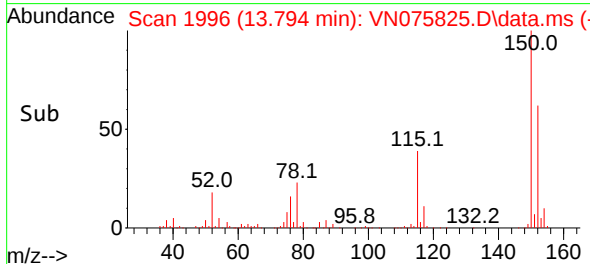
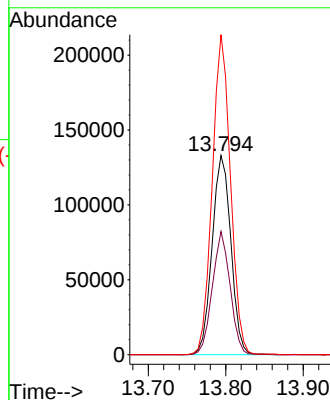
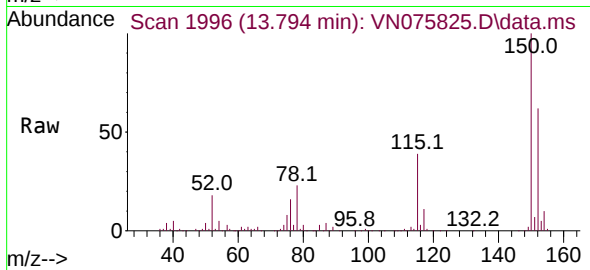




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075825.D
 Acq: 15 Dec 2022 18:11

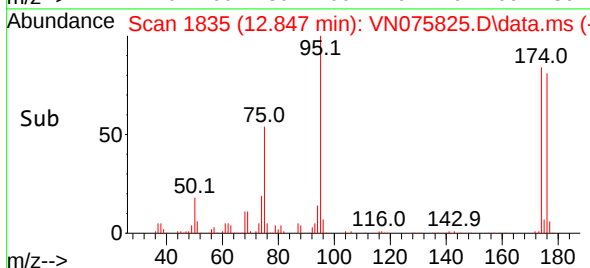
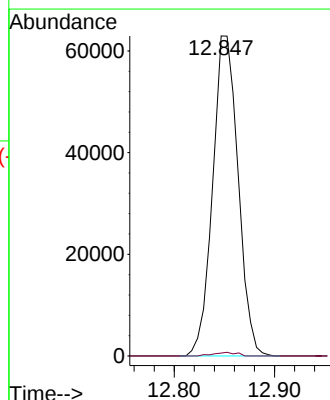
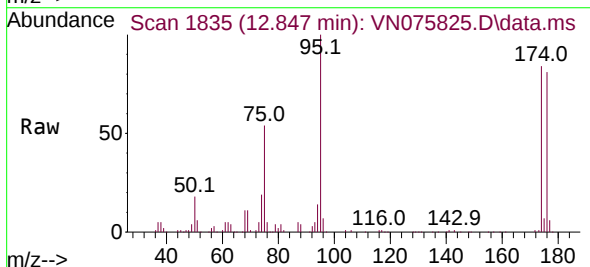
Instrument :
 MSVOA_N
 ClientSampleId :

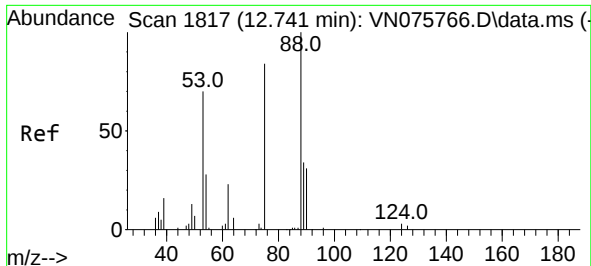
Tgt Ion:152 Resp: 223457
 Ion Ratio Lower Upper
 152 100
 115 58.6 29.1 87.4
 150 156.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.671 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075825.D
 Acq: 15 Dec 2022 18:11

Tgt Ion: 75 Resp: 111125
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

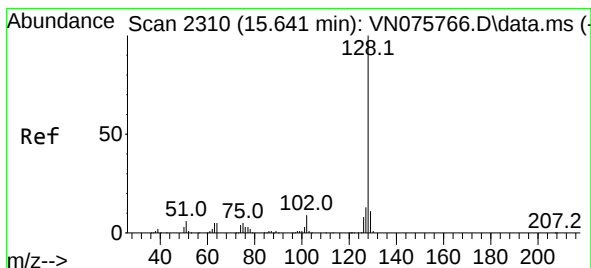
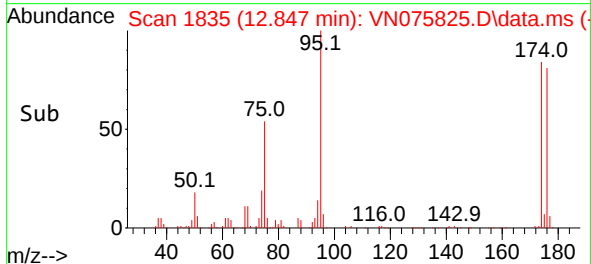
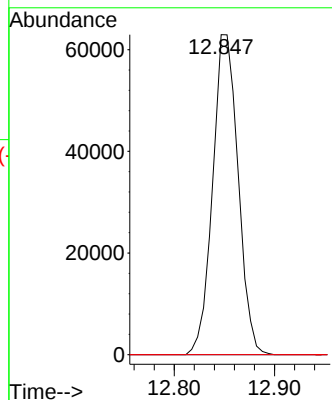
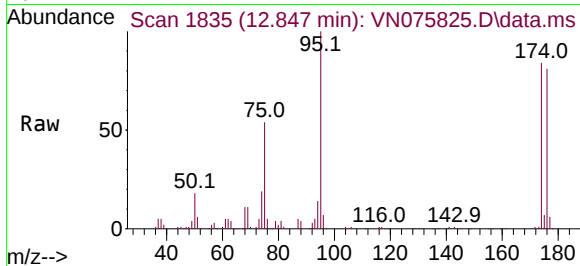




#81
trans-1,4-Dichloro-2-butene
Concen: 88.802 ug/l
RT: 12.847 min Scan# 111125
Delta R.T. 0.106 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 111125
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.621 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075825.D
Acq: 15 Dec 2022 18:11

Tgt Ion:128 Resp: 5645
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 5.0 8.7 13.1#

